ANTHEM®

MCA SERIES

MULTI-CHANNEL AMPLIFIERS

525 | 325 | 225

GENERATION 2

An All-New Look Matches AVM 90/70 A/V Processors & MRX A/V Receivers

CRAFTED IN CANADA

To complement the NEW AVM 90 and AVM 70 A/V Processors, Anthem introduces the new MCA 525, 325 and 225 Generation 2 power amplifiers. Available in 5, 3 and 2-channel configurations, these new MCA amplifiers feature robust and efficient power and heavy-duty reliability. MCA Generation 2 power amplifiers provide especially low THD (total harmonic distortion) for a clean, pure sound and lower noise for a supremely quiet background.

MCA SERIES: 225W in 2, 3, & 5-Channel Models

FEATURES & FUNCTIONS

- High current output for lower distortion
- Cosmetic match for AVM 90 and AVM 70 A/V Processors
- Advanced Load Monitoring system ensures long-term performance
- 8 bipolar output devices per channel for less stress on each device
- Less than 2 watts standby power consumption
- Crafted in Canada

MCA teams up perfectly with an AVM 90 or AVM 70.

A NEW MCA SERIES

What does it take to improve on perfection? Over 20 years of concentration. The distillation of endless hours of fundamental research. The willingness to rebuild from the ground up. And the focus on a single goal: Leadership through innovation and technology.

Introducing the new generation of Anthem MCA Amplifiers, designed, engineered and manufactured in Canada!

It's The Little Things That Count

MCA Gen 2 reduces the use of internal cabling for a much smoother circuit path for pure, unobstructed audio performance. The use of low-flux toroidal transformers and input transistors provide a greater sense of transparency, even with dynamically complex material.

We've also improved on other performance benchmarks including power bandwidth and slew rate. With a signal-to-noise ratio of 120 dB, background noise is practically nonexistent, leaving you with just pure natural sound reproduction.

Higher Power into More Demanding Loads

Experience the immense dynamics of up to 600 clean Watts delivered into demanding 2-Ohm loads. Both power supply impedance and internal cabling inductance have been minimized to deliver a clear path for maximum power – even in the most demanding conditions.

While other 5-channel amps often use a single power supply for all channels, the new MCA 525 features two oversized power supplies. The result is full bursts of power – instantly – without affecting channel separation.

Advanced Load Monitoring™ Technology

Exclusive ALM™ technology monitors internal temperature, current and voltage to ensure safe and uninterrupted long-term operation, all the while eliminating the need for internal fuses. ALM™ is not in the signal path, so it never gets in the way.

Instead, ALM engages instantly, but only in the most extreme circumstances, to protect your amplifier (and speakers) from damage.

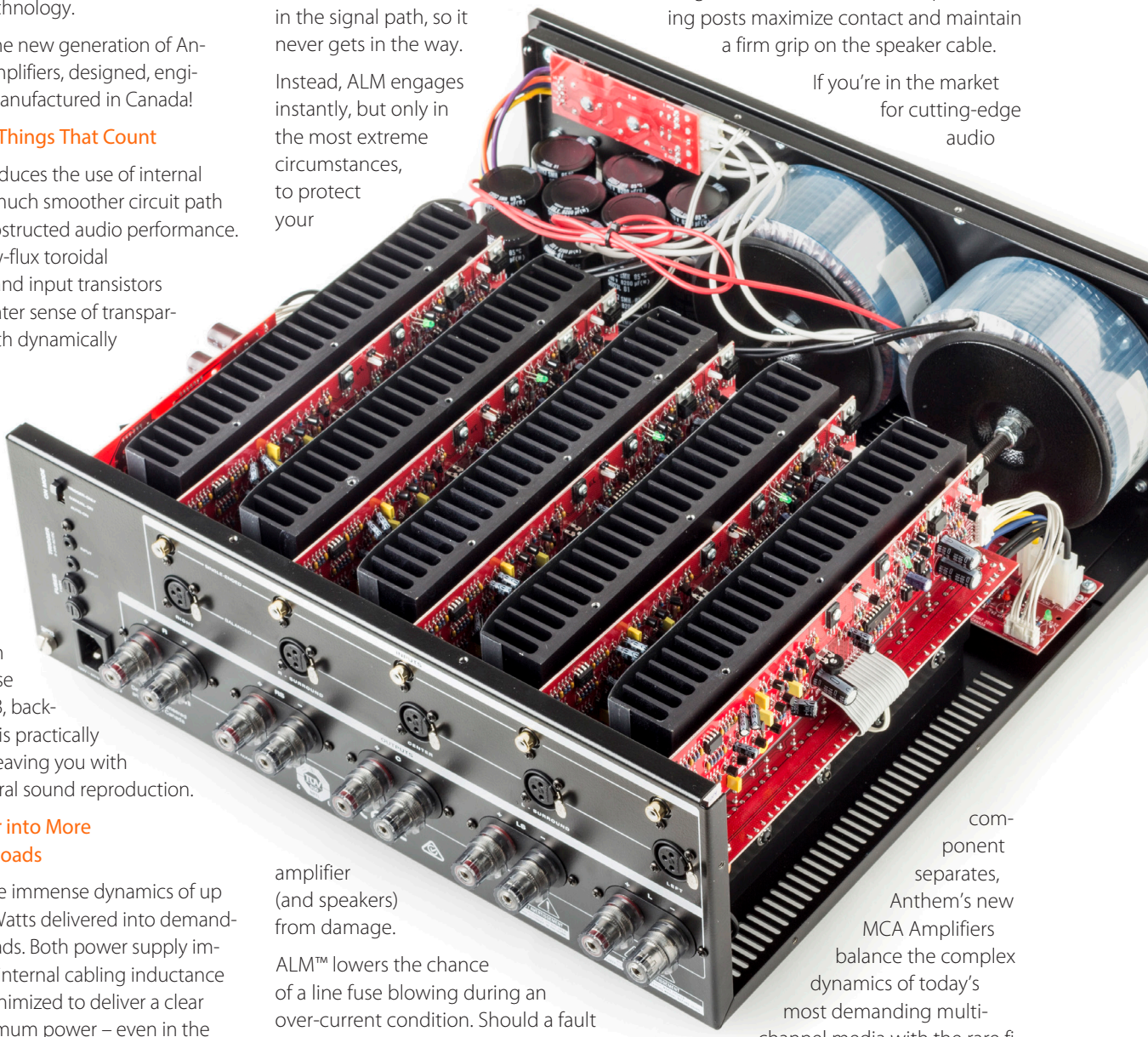
ALM™ lowers the chance of a line fuse blowing during an over-current condition. Should a fault condition arise, unaffected channels continue to play and all-channel operation resumes automatically once conditions are back to normal. The LED on the front panel confirms status at all times.

Green "Standby" Power Consumption

In addition to the reduced inrush current, these new MCA Amplifiers only use between 1-2W in "standby" mode. As with all Anthem amplifiers, they can be switched on manually, via trigger, or by sensing an input signal.

Larger, more conductive audiophile binding posts maximize contact and maintain a firm grip on the speaker cable.

If you're in the market for cutting-edge audio component separates, Anthem's new MCA Amplifiers balance the complex dynamics of today's most demanding multi-channel media with the rare finesse required to satisfy the audiophile in you. MCA Amps provide an abundance of conservatively-rated power into demanding low-impedance loads, incredible reliability, and a new design aesthetic that matches our sleek AVM 90 and AVM 70 Pre-amplifier/Processor.



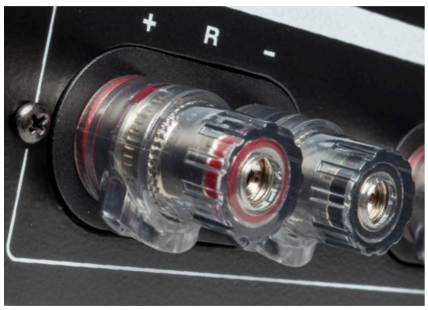
FEATURES

Measured Performance

The Generation 2 MCA 525, MCA 325 and MCA 225, designed and built in Canada, are like no other amplifiers in the world: ***custom low-noise high-power toroidal transformers; high-current bipolar output transistors; high-quality filter capacitors; advanced power supply regulators; oversized aluminum heatsinks; custom-designed dual binding posts; and patented auto-on/off circuitry***. Superior craftsmanship that is reflected in clean, clear, audiophile-quality sound from top to bottom of the frequency spectrum.

Audiophile Binding Posts

Our own custom-designed, oversized robust binding posts ensure full power delivery at all times. They're easy to use and facilitate large speaker cable connectors.

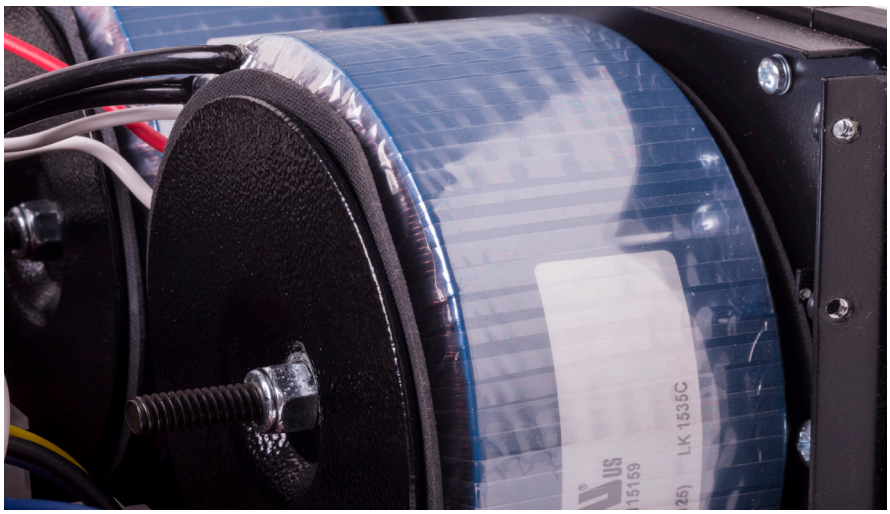


Stable As A Rock

Our amplifiers are incredibly stable into difficult, low-impedance speaker loads, making these superb-sounding reliable performers in even the toughest circumstances.

Detachable Power Cord

By including IEC detachable AC female sockets and high-power, high-quality 14-AWG AC cords, MCA amplifiers further demonstrate their high-end pedigree.



Massive Toroidal Power Supplies

MCA amplifiers deliver incredible dynamics thanks to massive "audiophile approved" conservatively rated power supplies designed with high rail voltages. Low flux toroidal power transformers ensure ultra quiet performance by minimizing stray magnetic field radiation. This provides the pure, clean, low-noise power that is needed to reproduce the full dynamics of home theater and the most complex and dynamic music recordings.

TECHNICAL SPECS

Power Output

Continuous 20 Hz to 20 kHz, <1% THD *(all models)*

load	watts
8 ohms	225 W
4 ohms	400 W
2 ohms	600 W

THD at 100 W
at 1 kHz 0.0010%
at 20 kHz 0.015%

IMD at 100 W
ITU-R (19 kHz + 20 kHz) 0.0005%
SMPTE (60 Hz + 7 kHz) 0.002%

SNR, IEC-A, ref. 225 W ..... 120 dB

Frequency Response, 20 Hz to 20 kHz
open circuit ..... ± 0.1 dB
8 Ω ..... ± 0.1 dB
4 Ω ..... ± 0.1 dB
2 Ω ..... ± 0.2 dB

Power Bandwidth, -3 dB at 200 W into 8 ohms ..... 90 kHz

Slew Rate ..... 30 V/µs

Damping Factor, 20 Hz to 1 kHz 300

Channel Separation, 100 Hz to 10 kHz ..... >65 dB

Input Impedance
RCA / XLR ..... 10 kΩ / 15 kΩ

Input Sensitivity, 225 W into 8 Ω ..... 1.5 Vrms

Voltage Gain ..... 29 dB

Power Requirement

consumption	standby	idle	typical	high output
MCA 525 (Gen. 2)	2.0 W	80 W	550 W	1200 W
MCA 325 (Gen. 2)	1.4 W	47 W	350 W	750 W
MCA 225 (Gen. 2)	1.0 W	35 W	240 W	500 W

This product operates from a single phase AC power source that supplies 108V – 132V at a frequency of 60 Hz for the 120V version and 198V – 264V at a frequency of 50/60 Hz for the 220V – 240V version.

Dimensions *(all models)*

Height ..... 6-5/8" (16.9 cm)
Rackmounted Height 4U
Width ..... 17-1/4" (43.8 cm)
Depth ..... 18-1/8" (46 cm)

Weight *(unpacked)*

MCA 525 (Gen. 2) ..... 61 lb (27.5 kg)
MCA 325 (Gen. 2) ..... 43 lb (19.5 kg)
MCA 225 (Gen. 2) ..... 40 lb (18 kg)

Create Your Own Dolby Atmos 15-Channel System

Three MCA 525s (Gen. 2) paired with an AVM 90 A/V Processor

ANTHEM®

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